

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 1, line 5 with the following amended paragraph:

For U.S. purposes, benefit of priority under 35 U.S.C. §119(e) to U.S. provisional application Serial No. 60/179,982, to Edwin L. Madison and Edgar O. Ong, filed February 3, 2000, entitled "NUCLEOTIDE AND PROTEIN SEQUENCES OF A TRANSMEMBRANE SERINE PROTEASE AND METHODS BASED THEREOF"; to U.S. provisional application Serial No. 60/183,542, to Edwin L. Madison and Edgar O. Ong, filed February 18, 2000, entitled "NUCLEOTIDE AND PROTEIN SEQUENCES OF A TRANSMEMBRANE SERINE PROTEASE AND METHODS BASED THEREOF"; to U.S. provisional application Serial No. 60/213,124, to Edwin L. Madison and Edgar O. Ong, filed June 22, 2000, entitled "NUCLEOTIDE AND PROTEIN SEQUENCES OF A TRANSMEMBRANE SERINE PROTEASE AND METHODS BASED THEREOF"; to U.S. provisional application Serial No. 60/220,970, to Edwin L. Madison and Edgar O. Ong, filed July 26, 2000, entitled "NUCLEOTIDE AND PROTEIN SEQUENCES OF A TRANSMEMBRANE SERINE PROTEASE AND METHODS BASED THEREOF"; and to U.S. provisional application Serial No. 06/234,840 to Edwin L. Madison, Edgar O. Ong and Jiunn-Chern Yeh, filed September 22, 2000, entitled "NUCLEIC ACID MOLECULES ENCODING TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND METHODS BASED THEREON" is claimed herein. Benefit of priority under 35 U.S.C. §120 to U.S. application Serial No. 09/657,968, to Edwin L. Madison, Joseph Edward Semple, Gary Samuel Coombs, John Eugene Reiner, Edgar O. Ong, Gian Luca Araldi, filed September 8, 2000, entitled "INHIBITORS OF SERINE PROTEASE ACTIVITY OF MATRIPTASE OR ~~MTSP1~~ MTSP1," now U. S. Pat. No. 6,797,504, is also claimed herein. This application is a continuation-in-part of U.S. application Serial No. 09/657,986, now U. S. Pat. No. 6,797,504. For international purposes, benefit of priority to each of the above-noted applications is claimed herein.

Please replace the paragraph beginning at page 17, line 2 with the following amended paragraph:

Figure 4 provides an alignment of the C-terminal portions of MTSP3 (set forth herein as SEQ ID No. 4), the two splice variant-encoded forms of MTSP4 (MTSP4-L and MTSP4-S set forth herein as SEQ ID Nos. 8 and 10, respectively), and MTSP6 (set forth herein as SEQ ID No. 12), that encompasses the protease domains thereof; the figure shows the cleavage

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sites, which form the N-terminus of the protease domain of each protein; a potential glycosylation site is noted and the free Cys residues in the protease domain of each are noted (*). Muteins of each protein may be prepared by replacing the residues in the glycosylation site, particularly the N residue, and the free Cys residues, with preferably conservative amino acid residues. Such muteins are also provided herein.